



## Complete Summary

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### TITLE

Uncomplicated urinary tract infection in women: percentage of women with uncomplicated urinary tract infection (UTI) with a urine culture performed at the initial encounter.

### SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Uncomplicated urinary tract infection in women. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2002 Nov. 24 p.

## Brief Abstract

### DESCRIPTION

This measure assesses the percentage of women with uncomplicated urinary tract infection (UTI) with a urine culture performed at the initial encounter.

### RATIONALE

The priority aim addressed by this measure is to decrease the use of urine culture as a guide in therapy of uncomplicated urinary tract infection (UTI).

### PRIMARY CLINICAL COMPONENT

Uncomplicated urinary tract infection (UTI); urine culture

### DENOMINATOR DESCRIPTION

Number of records for adult women ages 18 to 65 with uncomplicated urinary tract infection (UTI) reviewed

### NUMERATOR DESCRIPTION

Number of records for adult women with uncomplicated urinary tract infection (UTI) with documentation of a urine culture done at the initial encounter

## Evidence Supporting the Measure

### PRIMARY MEASURE DOMAIN

Process

## SECONDARY MEASURE DOMAIN

Not applicable

## EVIDENCE SUPPORTING THE MEASURE

A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

## NATIONAL GUIDELINE CLEARINGHOUSE LINK

- [Uncomplicated urinary tract infection in women.](#)

## Evidence Supporting Need for the Measure

### NEED FOR THE MEASURE

Unspecified

## State of Use of the Measure

### STATE OF USE

Current routine use

### CURRENT USE

Internal quality improvement

## Application of Measure in its Current Use

### CARE SETTING

Physician Group Practices/Clinics

### PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Advanced Practice Nurses  
Physicians

### LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Group Clinical Practices

### TARGET POPULATION AGE

Age 18 to 65 years

## TARGET POPULATION GENDER

Female (only)

## STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

### Characteristics of the Primary Clinical Component

## INCIDENCE/PREVALENCE

Unspecified

## ASSOCIATION WITH VULNERABLE POPULATIONS

Unspecified

## BURDEN OF ILLNESS

Unspecified

## UTILIZATION

Unspecified

## COSTS

Unspecified

### Institute of Medicine National Healthcare Quality Report Categories

## IOM CARE NEED

Getting Better

## IOM DOMAIN

Effectiveness

### Data Collection for the Measure

## CASE FINDING

Users of care only

## DESCRIPTION OF CASE FINDING

Number of records for adult women ages 18 to 65 with uncomplicated urinary tract infection (UTI) reviewed

Medical groups will define the adult women with an encounter for uncomplicated cystitis from their databases, schedules, laboratory log, or whatever method they devise. A random sample of 20 patients seen for this diagnosis during the month will be selected.

It is suggested that the data are collected monthly. When a medical group's reported data have evidenced a performance level above 90% for 7 measurement periods, the medical group may elect to decrease the frequency of data collection. The decrease in frequency could be from 3 monthly samples to 1 sample collected each quarter.

#### DENOMINATOR SAMPLING FRAME

Patients associated with provider

#### DENOMINATOR (INDEX) EVENT

Clinical Condition

#### DENOMINATOR INCLUSIONS/EXCLUSIONS

##### Inclusions

Number of records for adult women ages 18 to 65 with uncomplicated urinary tract infection (UTI) reviewed

A UTI is defined by the International Classification of Diseases, Ninth Revision (ICD-9) codes of 595, 595.0, 595.2, 595.3, 595.8, 595.89, 595.9, 599, and 599.0.

##### Exclusions

Unspecified

#### NUMERATOR INCLUSIONS/EXCLUSIONS

##### Inclusions

Number of records for adult women with uncomplicated urinary tract infection (UTI) with documentation of a urine culture done at the initial encounter

The Current Procedure Terminology (CPT-4) codes for urine culture are 87086, 87087, and 87088.

##### Exclusions

Unspecified

#### DENOMINATOR TIME WINDOW

Time window is a single point in time

#### NUMERATOR TIME WINDOW

Encounter or point in time

#### DATA SOURCE

Administrative and medical records data  
Laboratory data

#### LEVEL OF DETERMINATION OF QUALITY

Individual Case

#### PRE-EXISTING INSTRUMENT USED

Unspecified

### Computation of the Measure

#### SCORING

Rate

#### INTERPRETATION OF SCORE

Better quality is associated with a lower score

#### ALLOWANCE FOR PATIENT FACTORS

Unspecified

#### STANDARD OF COMPARISON

Internal time comparison

### Evaluation of Measure Properties

#### EXTENT OF MEASURE TESTING

Unspecified

### Identifying Information

#### ORIGINAL TITLE

The percentage of women with uncomplicated UTI with a urine culture performed at the initial encounter.

## MEASURE COLLECTION

[Uncomplicated Urinary Tract Infection in Women Measures](#)

## DEVELOPER

Institute for Clinical Systems Improvement

## ADAPTATION

Measure was not adapted from another source.

## RELEASE DATE

2002 Nov

## MEASURE STATUS

Please note: This measure has been updated. The National Quality Measures Clearinghouse is working to update this summary.

## SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Uncomplicated urinary tract infection in women. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2002 Nov. 24 p.

## MEASURE AVAILABILITY

The individual measure, "The percentage of women with uncomplicated UTI with a urine culture performed at the initial encounter," is published in "Health Care Guideline: Uncomplicated Urinary Tract Infection in Women." An update of this measure is available from the [Institute for Clinical Systems Improvement \(ICSI\) Web site](#).

For more information, contact ICSI at, 8009 34th Avenue South, Suite 1200, Bloomington, MN 55425; phone: 952-814-7060; fax: 952-858-9675; Web site: [www.icsi.org](http://www.icsi.org); e-mail: [icsi.info@icsi.org](mailto:icsi.info@icsi.org).

## NQMC STATUS

This NQMC summary was completed by ECRI on February 9, 2004.

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